

ANNUAL REPORT

The Royal Society of Tasmania

1918

Patron:

HIS MAJESTY THE KING.

President:

HIS EXCELLENCY SIR FRANCIS NEWDEGATE, K.C.M.G.,
GOVERNOR OF TASMANIA.

Vice-Presidents:

MAJOR E. L. PIESSE, B.Sc., LL.B.
L. RODWAY, C.M.G.

Council:

(Elected March, 1918).

A. H. CLARKE, M.R.C.S., L.R.C.P.	T. W. FOWLER
(<i>Chairman.</i>)	
W. F. D. BUTLER, B.A., M.Sc., LL.B.	J. L. GLASSON, M.A., D.Sc.
W. H. CLEMES, B.A., B.Sc.	J. A. JOHNSON, M.A.
L. DECHANEUX.	L. H. LINDON, M.A.
L. RODWAY, C.M.G.	

Hon. Treasurer:

L. RODWAY.

Auditor:

R. A. BLACK.

Secretary and Librarian:

CLIVE E. LORD.

LIST OF MEMBERS.

Honorary Members:

- David, T. W. Edgeworth, C.M.G., B.A., F.R.S., F.G.S.
 Professor of Geology and Physical Geography in the
 University of Sydney. The University, Sydney.
- Mawson, Sir Douglas, B.E., D.Sc. Adelaide.
- Shackleton, Sir Ernest H., Kt., C.V.O., F.R.G.S., F.R.A.S.
 9 Regent-street, London, S.W., England.
- Spencer, Sir W. Baldwin, K.C.M.G., M.A., F.R.S. Pro-
 fessor of Biology in the University of Melbourne.
 The University, Melbourne.

Ordinary, Life, and Corresponding Members:

"C," Corresponding Member.

"L," Member who has compounded subscriptions for life.

"", Member who has contributed a Paper read before the Society.

Year of
 Election.

- | | | |
|------|---|---|
| 1916 | | Ansell, M. M., B.A. The Registrar the Univer-
sity, Hobart. |
| 1918 | L | Avery, J. Electrolytic Zinc Co. Risdon. |
| 1908 | L | Baker, Henry D. C/o American Consulate,
Hobart. |
| 1887 | | Barclay, David. 143 Hampden Road, Hobart. |
| 1890 | | *Beattie, J. W. 1 Mount Stuart Road, Hobart. |
| 1918 | | Bellamy, Herbert. City Engineer. Town
Hall, Hobart. |
| 1901 | C | Benham, W. B., M.A., D.Sc., F.R.S., F.Z.S.
Professor of Biology, University of
Otago. Dunedin, New Zealand. |
| 1903 | | Bennett, W. H. "Ashby," Ross. |
| 1918 | | Bennett, A. E. "Ashby," Ross. |
| 1900 | | Bennison, Thomas. 29 Cromwell Street,
Hobart. |
| 1918 | | Bennison, E. A. Napoleon Street, Battery
Point. |
| 1918 | | Bisdee, E. O. Lovely Banks, Melton Mow-
bray. |
| 1912 | | *Black, R. A. Chief Clerk, Department of
Agriculture. 50 High Street, Queen-
borough. |
| 1909 | | *Blackman, A. E. Franklin. |
| 1913 | | Bottrill, W. E., LL.D. 7 Elphinstone Road,
Hobart. |

Year of
Election.

- 1918 Bowling, J. "Clovelly," Risdon Road.
- 1892 C Bragg, W. H., M.A., F.R.S. Professor of
Physics in University College, London.
- 1900 *Brettingham-Moore, G. E. 294 Davey Street,
Hobart.
- 1917 Brettingham-Moore, Dr E., M.B., Ch.M.
Macquarie-street, Hobart.
- 1911 Brooks, G. V. Master of Method, Elizabeth
Street Practising School, Hobart. Main
Road, New Town.
- 1907 Brownell, F. L. "Leura," Main Road, Moonah.
- 1918 Bryer, J. R. Taroona.
- 1918 Burbury, Alfred. "Glen Morey," Antill Ponds.
- 1918 Burbury, Frederick, M.H.A. "Ashgrove,"
Andover.
- 1909 *Butler, W. F. D., B.A., M.Sc., LL.B. Bishop
Street, New Town.
- 1917 Butters, J. H. Chief Engineer and Manager
State Hydro-Electric Department, Ho-
bart.
- 1912 Chapman, J. R. Holbrook Place, Hobart.
- 1901 C Chapman, R. W., M.A., B.C.E. Elder Profes-
sor of Mathematics and Mechanics in the
University of Adelaide. The Univer-
sity, Adelaide.
- 1913 Chepmell, C. H. D. Clerk of the Legislative
Council. 23 Swan Street, Hobart
(A.I.F.).
- 1896 *Clarke, A. H., M.R.C.S., L.R.C.P. Mac-
quarie Street, Hobart.
- 1918 Clarke, T. W. H. Quorn Hall, Campbell Town.
- 1887 Clemes, Samuel. Principal of Leslie House
School. Clare Street, New Town.
- 1910 Clemes, W. H., B.A., B.Sc. Leslie House
School, Argyle Street, New Town.
- 1918 Conlon, A. Agricultural Department, Hobart.
- 1917 Copland, D. B., M. A. Lecturer in History
and Economics, the University, Hobart.
- 1917 Cullen, Rev. John. Macquarie Street, Hobart.
- 1918 Cummins, W. H. Greenlands Avenue, Sandy
Bay.
- 1884 Davies, The Hon. C. E., M.L.C. "Lyndhurst,"
New Town Road, New Town.
- 1908 Dechaineux, Lucien. Principal of Technical
School, Hobart.
- 1903 Delany, Most Rev. Patrick. Archbishop of
Hobart. 99 Barrack Street, Hobart.

- 1892 C Dendy, A., D.Sc., F.R.S., F.L.S. Professor of Zoology in the University of London (King's College). "Vale Lodge," Hampstead, London, N.W.
- 1916 Downie, W. A. Headmaster, Central School, Hobart.
- 1918 Ellis, F. Education Department, Hobart.
- 1918 Evans, L. Acting Director of Agriculture, Hobart.
- 1902 Finlay, W. A. 11 Secheron Road, Hobart.
- 1918 Finlay, G. W. "Baskerville," Campbell Town.
- 1918 Fletcher, C. E. Education Department, Hobart.
- 1909 *Flynn, T. Thomson, B.Sc. Ralston Professor of Biology in the University of Tasmania.
- 1890 L Foster, H. D. 137 Hampden Road, Hobart.
- 1905 L Foster, J. D. "Fairfield," Epping.
- 1913 Fowler, T. W., M.C.E. Clare Street, New Town.
- 1918 Gatenby, R. L. Campbell Town.
- 1908 *Giblin, Major L. F., D.S.O., B.A. 326 Macquarie Street, Hobart, and "Cobbler's End," Cambridge (A.I.F.).
- 1918 Gillett, Henry. "Wetmore," Ross.
- 1913 *Glasson, J. L., M.A., D.Sc. Lecturer in Physics in the University of Tasmania. The University, Hobart.
- 1907 Gould, Robert. Longford.
- 1918 Gould, J. W. Tramway Department, Hobart.
- 1905 L Grant, C. W. "High Peak," Huon Road.
- 1913 *Hardy, G. H. Hurlstone. C/o Australian Museum, Sydney.
- 1918 Harrap, Lieut-Colonel G. E. Launceston.
- 1898 Harrison, M. W. Glenorchy.
- 1893 Harvey, W. A., M.B. 154 Macquarie Street, Hobart.
- 1902 C Haswell, William, M.A., D.Sc., F.R.S., F.L.S. Challis Professor of Biology in the University of Sydney. The University, Sydney.
- 1913 Hawson, Edward. "Remine," 174 Argyle Street, Hobart.
- 1915 *Heaton, Herbert, M.A., M. Comm. Lecturer in History and Economics in the University of Adelaide, S.A.

Year of
Election.

- 1915 Hickman, V. V., B.Sc. Garden Road, Albert Park, Mochnah. (A.I.F.)
- 1914 Hitchcock, W. E. Moima.
- 1908 Hogg, G. H., M.D., C.M. 37 Brisbane Street, Launceston.
- 1909 *Hutchison, H. R. 1 Barrack Street, Hobart.
- 1913 Ife, G. W. R., LL.B. Summerhill Road, Hobart.
- 1912 Inglis, C. J. A.M.P. Buildings, Elizabeth Street, Hobart.
- 1898 *Ireland, E. W. J., M.B., C.M. Launceston General Hospital.
- 1918 Innes, H. S. 71 Davey Street, Hobart.
- 1919 Irwin, H. D. Hutchins School, Hobart.
- 1906 *Jolinson, J. A., M.A. Principal of the Philip Smith Training College, Hobart. "Wharepuke," Argyle Street, New Town.
- 1911 Keene, E. H. D. Tantallon, Tarleton (A.I.F.).
- 1910 Kermode, R. C. "Mona Vale," Ross.
- 1918 Kermode, Lewis Q., B.A. Birkdale, Lancashire, England.
- 1905 Kerr, George. 165 Campbell Street, Hobart.
- 1913 Knight, J. C. E. "Windermere," Claremont.
- 1918 Knight, C. E. L. Claremont.
- 1918 Knight, H. W. High Street, Sandy Bay.
- 1887 Lewis, Sir Neil Elliott, K.C.M.G., M.A., B.C.L., LL.B., M.H.A. "Werndee," Augusta Road, New Town.
- 1912 Lindon, L. H., M.A. "The Lodge," Park Street, Hobart.
- 1900 Lines, D. H. E., M.B., Ch.B. Archer Street, New Town.
- 1875 C Liversidge, Professor Archibald, M.A., LL.D., A.R.S.M., F.R.S., F.I.C., F.C.S., F.G.S., F.R.G.S. "Fieldhead," Coombe Warren, Kingston, Surrey, England.
- 1913 *Lord, Clive E. Curator and Secretary of the Tasmanian Museum, Hobart. "Cliveden," Mt. Nelson Road, Sandy Bay.
- 1912 McAlister, Miss M. K. Rosetta.
- 1893 *McAulay, Alexander, M.A. Professor of Mathematics in the University of Tasmania. The University, Hobart.
- 1918 McKinnon, Donald. "Dalness," Evandale.
- 1902 C *Maiden, J. H., I.S.O., F.R.S., F.L.S. Director of Botanic Gardens, Sydney, and Government Botanist of New South Wales. Botanic Gardens, Sydney.

1918		Mansell, A. E. Melton Mowbray.
1918		Martin, Colonel W., V.D. Launceston.
1913		Mather, J. F. 1 Mount Stuart Road, Hobart.
1917		Mackay, J. H. Professor of Engineering. The University of Tasmania, Hobart.
1895		*May, W. L. "Forest Hill," Sandford.
1909		Millen, J. D. Mount Bischoff Mine, Waratah.
1907		Miller, Lindsay S., M.B., Ch.B. 156 Macquarie Street, Hobart.
1894	L	Mitchell, J. G. "Ellesmere," Jericho.
1913		Mitchell, P. H., B.A. Headmaster of the State High School, Hobart. 2 Ashfield Street, Queenborough.
1911		Montgomery, R. B. Park Street, New Town.
1918		Murdoch, Thomas. Montpelier Road, Hobart.
1882		Nicholas, G. C. "Cawcod," Ouse.
1918		Nicholls, Sir Herbert, K.C.M.G. Chief Justice of Tasmania. Pillinger Street, Queenborough.
1910		Nicholls, H. Minchin. Government Microbiologist, Department of Agriculture. Macquarie Street, Hobart.
1917		Oldham, N., J.P. New Town.
1908		Parsons, Miss S. R. 190 Davey Street, Hobart.
1902		*Piesse, Major E. L., B.Sc., LL.B. "Neika," Bay Road, New Town.
1910		Pillinger, James. 4 Fitzroy Crescent, Hobart.
1918		Pitt, F. C. "Glen Dhu," The Ouse.
1908		Pratt, A. W. Courtney. "Athon," Mt. Stuart Road, Hobart.
1917		Raamsdonk, I. N. Lecturer in Modern Languages, the University, Hobart.
1864		Roberts, H. L. "Beaumaris," Montpelier Road, Hobart.
1918		Robertson, T. W. Box 93, G.P.O., Hobart.
1884		*Rodway, Leonard, C.M.G. Government Botanist of Tasmania. Macquarie Street, Hobart.
1913		Ross, Hector. Sheriff of Tasmania. Elphinstone Road, Hobart.
1915		Ross, J. Head Teacher, New Town School, New Town (A.I.F.).
1918		Rowland, E. O. Secretary Public Service Board, Hobart.
1896		Scott, R. G., M.B., Ch.M. 172 Macquarie Street, Hobart.

Year of
Election.

- 1892 C *Shirley, John, D.Sc. Inspector of Schools,
Queensland. "Colarmie," Brunswick
Street, New Farm, Brisbane.
- 1901 Shoobridge, Canon G. W. 3 Molle Street,
Hobart.
- 1917 Slaytor, C. H., F.I.C. Woodbourne, Davey
Street, Hobart.
- 1901 C Smith, R. Greig-, D.Sc. Linnean Hall, Eli-
zabeth Bay, Sydney.
- 1896 L *Sprott, Gregory, M.D., C.M. 134 Macquarie
Street, Hobart.
- 1896 L Sticht, Robert, B.Sc., E.M. Mount Lyell
Mining and Railway Co. Ltd., Queen
Street, Melbourne.
- 1913 Susman, Maurice. 88 Murray Street, Hobart.
- 1907 Tarleton, J. W. 108 High Street, Queen-
borough.
- 1887 *Taylor, A. J. Librarian of the Tasmanian
Public Library. 28 D Arcy Street, Ho-
bart.
- 1918 Taylor, John. "Winton," Campbell Town.
- 1918 Taylor, Walter E. Elboden Street, Hobart.
- 1892 C *Thomsen, G. M., F.L.S. Dunedin, New Zea-
land.
- 1918 Thorold, C. C., M.A. Hutchins School, Hobart.
- 1896 *Twelvetrees, W. H., F.G.S. Government
Geologist. Geological Survey, Launce-
ston.
- 1918 Walch, Percy. King Street, Sandy Bay.
- 1901 C Wall, Arnold, M.A. Professor of English Lan-
guage and Literature in Canterbury
College. Christchurch, New Zealand.
- 1913 Wardman, John. Superintendent of the
Botanical Gardens. Botanical Gardens;
Hobart.
- 1918 Waterhouse, G. W., B.A., L.L.M. Cantab.
Messrs. Ritchie and Parker, Alfred
Green and Co., Launceston.
- 1918 Watt, W. The Observatory, Hobart.
- 1918 Weber, A. F. Lands Department, Hobart.
- 1901 Wise, H. J. Lambert Avenue, Sandy Bay.

Members are asked to inform the Secretary of any change of address or other necessary correction.

ANNUAL REPORT, 1918.

In accordance with Rule 39, the Council present a report of the proceedings of the Society for 1918.

The Council and Officers.

At the Annual General Meeting held on 11th March, the following were elected Members of the Council for the year:—Dr. A. H. Clarke, Dr. J. L. Glasson, Messrs. W. F. D. Butler, W. H. Clemes, L. Dechaineux, T. W. Fowier, J. A. Johnson, L. H. Lindon, and L. Rodway.

The Council at its first meeting elected the following officers:—Dr. Clarke (Chairman), Mr. L. Rodway (Hon. Treasurer), Mr. Clive Lord (Secretary and Librarian).

The Council elected Dr. Clarke, Messrs. Clemes, Dechaineux, Johnson, Lindon, and Rodway to be Trustees of the Tasmanian Museum and Botanical Gardens.

Meetings.

Nine ordinary meetings of the Society were held during the year and two special meetings. Many interesting papers were read by members and visitors during the session. The special lectures delivered by Professor Berry caused such interest that a larger hall had to be engaged owing to the fact that the Society's Lecture Hall was not large enough for the audiences. The 75th Anniversary of the Society was celebrated on 14th October.

Members.

The membership of the Society has materially increased during the year as 36 members were elected. We lost 6 members through death or resignation. The number of ordinary members at the end of the year was 112; life members, 8; corresponding members, 13; and honorary members, 4.

Library.

During the year 254 volumes, in addition to hundreds of pamphlets, were added to the library, and our thanks are due to many kindred institutions for many and valuable donations. The total number of volumes (apart from pamphlets) in the library on the 31st December, 1918, was 13,054. As the work of the Society is so intimately connected with the Tasmanian Museum, the policy adopted

last year of appointing the Curator of the Museum, Secretary and Librarian of the Society, has been found to work very satisfactorily. One problem that will have to be faced in the near future is that of additional space. The increasing additions to the present library have already filled it to overflowing.

Education Section.

President—G. V. Brooks, Esq.

Hon. Secretary—W. H. Clemes, Esq., B.A., B.Sc.

Number of Members—Twelve.

Six meetings were held during the year, at which the following papers were read and discussed:

“Fisher’s Education Bill,” by Mr. J. A. Johnson.

“The Prefect System in the English Public Schools,” by Mr. C. C. Thorold.

“The Training of the Individual,” by Mr. G. V. Brooks.

“Artisan Education,” by Mr. L. Dechaineux.

RECEIPTS AND EXPENDITURE, 1918. GENERAL ACCOUNT.

RECEIPTS.				PAYMENTS.			
		£	s. d.			£	s. d.
Balance Brought Forward		49	0 0	Salaries		33	5 0
Subscriptions—				Papers and Proceedings—			
Current, 80 at £1/1/-	£84	0 0		1917 (Part)	£24	3 6	
Arrears, 3 at £1/1/-	3	3 0		1918 (Part)	75	4 0	
Advance, 27 at £1/1/-	28	7 0					
			115 10 0	Library—		99	7 6
Payments for use of Society's Room			13 15 0	Insurance	4	16 9	
Contributions to Printing Fund			9 17 6	Binding	55	17 9	
Contribution to Binding Fund			15 0 0	Purchases	31	18 8	
Miscellaneous			3 15 0	Miscellaneous	8	4 0	
Government Grant			100 0 0			100	17 2
				Meetings—Notices, Advertising, etc.		26	6 0
				Light and Fuel		3	16 1
				Lantern and Operator		6	10 0
				Postages		7	10 0
				Miscellaneous		9	0 5
						£286	12 2
				Credit Balance		20	5 4
						£306	17 6

Audited and found correct,

R. A. BLACK,
Auditor.

January 2nd, 1919.

L. RODWAY, Hon. Treasurer.
CLIVE E. LORD, Secretary.

MORTON ALLPORT MEMORIAL FUND* ACCOUNT, 1918.

RECEIPTS.		PAYMENTS.	
	£ s. d.		£ s. d.
Balance Brought Forward 1st Jan., 1918 ...	30 4 3	Balance to 1919	39 19 3
Interest received from Perpetual Trustees Co.—5 per cent. on £200 Cascade Brewery Co. Debentures	£10 0 0		
Less Trustees Co. Commission ...	0 5 0		
	9 15 0		
	<u>£39 19 3</u>		<u>£39 19 3</u>

* £200 was raised by Public Subscription in 1878 to establish a Memorial to the late Morton Allport. The Fund was invested in the name of the Perpetual Trustees, Executors, and Agency Co. of Tasmania Ltd., and the income is used for the purchase of Books for the Library of the Society.

LIFE MEMBERSHIP ACCOUNT, 1918.

RECEIPTS.		PAYMENTS.	
	£ s. d.		£ s. d.
Life Composition Fee	15 0 0	Contribution to Binding Fund	15 0 0
	<u>£15 0 0</u>		<u>£15 0 0</u>

Audited and found correct,
R. A. BLACK,
Auditor.

January 2nd, 1919.

L. RODWAY, Hon. Treasurer.
CLIVE E. LORD, Secretary.

Obituary.

R. M. JOHNSTON, I.S.O., F.S.S.

Robert Mackenzie Johnston was born at Connage, Inverness-shire, Scotland, in 1845. Of humble parentage, but possessed with a keen desire for knowledge, he left home early in life in order to make his way in the world. He obtained employment in the Scottish Railways, and while there devoted his spare time to study. As a young man he resolved to come to Australia, and eventually arrived after an adventurous passage. He crossed to Tasmania in 1870, and was employed organising the accountants and audit branch of the Launceston and Western Railway. In 1872 he transferred to the Government service, and in 1880 was appointed chief clerk in the Auditor-General's office, and two years later he obtained the position of Registrar-General and Government Statistician, which position he held until his death.

On several occasions Mr. Johnston had opportunities for improving his position by obtaining high appointments on the Mainland, but he preferred to remain in Tasmania.

In addition to his official duties, Mr. Johnston served the State in many ways. In 1882 he was appointed a Commissioner to inquire and report upon the fisheries of Tasmania, and was also a member of the several boards relating to fisheries. In 1888, the Government published Mr. Johnston's standard work, "A Systematic Account of the Geology of Tasmania."

Mr. Johnston was President of Section F, "Economic and Social Science and Statistics," at the meeting of the Australian Association for the Advancement of Science in 1890, was an honorary fellow of the Royal Statistical Society, a fellow of the Royal Geographical Society of Australia, a fellow of the Linnean Society of London, and for many years one of the most prominent members of the Royal Society of Tasmania.

List of Papers contributed to the Royal Society of Tasmania by R. M. Johnston, I.S.O., F.S.S.

1871.

1. Regarding the composition and extent of certain Tertiary beds in and around Launceston.

1874.

2. The Launceston Tertiary Basin.

1876.

3. Further notes on the Tertiary Marine Beds of Table Cape.

1878.

4. Further notes on the Freshwater Shells of Tasmania (with a description of new species).
5. Notes on certain Tertiary and Post-Tertiary deposits on Flinders', Barren, Badger, and other Islands in Bass's Straits.

1879.

6. Note on discovery of the Habitat of *Ammnicola* (*Ampullaria*?) *Tasmanica*—Tenison-Woods—with a new description of *Helix*.
7. Note on the discovery of *Spondylostrolus Smithii*, and other fossil Fruits in the Deep-lead drift at Brandy Creek Goldfield.
8. Table of the distribution of the Fossil Flora of Australia, Tertiary Period.
9. Third contribution to the Natural History of the Tertiary Marine Beds of Table Cape, with a description of 30 new species of Mollusca.
10. Notes on the distribution and variability of Tasmanian Land Shells.
11. Table showing the general distribution of Tasmanian Land Shells, compiled from the collections made at various times by W. Legrand, W. F. Petterd, Capt. Beddome, T. R. Atkinson, the Compiler, and others.
12. Notes on the relations of the yellow Limestone (Travertin) of Geilston Bay, with other Fluvial and Lacustrine deposits in Tasmania and Australia, together with descriptions of two new fossil *Helices*.

1880.

13. Description of a new species of *Helix* found fossil in a calcareous sandstone deposit at Kent's Group.
14. Description of two new species of Fishes (*Trachichthys Macleanyi* and *Mendosoma Allportii*), caught in the estuary of the Derwent.

1881.

15. Notes showing that the estuary of the Derwent was occupied by a fresh-water lake during the Tertiary period.
16. Description of a species of Sea Bream (*Girella tricuspidata*), from Southport, Tasmania.

1882.

17. General and critical observations on the Fishes of Tasmania; with a classified Catalogue of all the known species.
18. Note and description of the first discovered representative of the genus *Pupa* in Tasmania.
19. Note on *Clinus despicillatus*—Richardson and *Bovichthys variegatus*.
20. Description of a new species of Fish caught near Emu Bay, Tasmania.

1883.

21. Notice of recent additions to the list of Tasmanian Fishes.

1884.

22. Description of a new species of *Vitrina* from the Travertin Beds, Geilston.
23. Additions to the list of Table Cape fossils, together with further remarks upon certain fossil shells supposed to be identical with living species.
24. Discovery of *Entomostraca* in the upper members of the Travertin Beds, Geilston, and a description of a new species of *Cyprus*.
25. Discovery of a Cone, probably of a species of *Lepidostrobus*, in the sandstones of Campania.
26. Description of a new species of *Odar*.
27. Description of a new fossil Shell from the Eocene beds, Table Cape.
28. Description of a new species of *Crepidula* from the Eocene Beds, Table Cape.
29. Notes on the discovery of two rare species of Ferns new to Tasmania.
30. Remarks on the observed periodicity of the Death-rate, with suggestions as to its possible relation with the periodicity of solar and other super-terrestrial phenomena.
31. Observations on six rare Fishes recently captured in Tasmanian waters.
32. A Rejoinder to Mr. A. B. Biggs' criticism on observations made in respect of the "Observed Periodicity of the Death-rate," etc.
33. Notes regarding certain Fossil Shells occurring at Table Cape, supposed to be identical with living species.

1885.

34. Fresh contributions to our knowledge of the character and relationship of the Upper Palæozoic and Mesozoic formations of Tasmania, and the associated diabasic rocks.
35. General observations regarding the classification of the Upper Palæozoic and Mesozoic rocks of Tasmania, together with a full description of all the known Tasmanian Coal Plants, including a considerable number of new species.
36. Description of some Fossil Leaves from Mt. Bischoff.
37. Note regarding the Silurian Fossils of the Gordon limestones, with generic descriptions and a specific list of the organisms already named and classified.
38. Descriptions of new species of fossil leaves from the Tertiary deposits of Mt. Bischoff, belonging to the genera *Eucalyptus*, *Laurus*, *Quercus*, *Zamia*, etc.

1886.

39. Contributions to the Palæontology of the Upper Palæozoic Rocks of Tasmania.
40. Notes on the Geology of Bruny Island.
50. Reference List of the Tertiary Fossils of Tasmania.
51. Remarks regarding Coal Seam opened out by Mr. Brock at Compton, Old Beach.
52. Fresh Contributions to our Knowledge of the Plants of Mesozoic Age in Tasmania.
53. Table Showing Approximately the Known Distribution in time of Genera of Plants occurring in the Upper Palæozoic and Mesozoic Rocks of Australasia.
54. Notes on the Geology of the King River, with a brief account of the History of Gold Mining in Australasia.
55. Notes and descriptions of *Crinoidea* from the Upper Palæozoic Rocks of Tasmania.

1887.

56. How far can the general death rate for all ages be relied upon as a comparative index of the health or sanitary condition of any community.
57. An account of two rare Tasmanian Fish.
58. On the lower coal measures of Port Cynnet.
59. Notes on the Fingal Basin from the operations of a trial bore.
60. Notes with respect to Fishes, the land and fresh water molluscs of King's Island.

61. Observations with respect to the nature and classification of the Rocks of the Tertiary period, more particularly relating to Tasmania.

1888.

62. Results of the various attempts to acclimatise the *Salmo salar* in Tasmanian Waters.
63. The Problem of Malthus stated.
64. Critical Observations on the recent Contributions to our knowledge of the freshwater shells of Tasmania.
65. Tabular History of the Classification of Tasmanian freshwater shells.
66. Observations on the variability of the Tasmanian *Unio*.

1889.

67. The Iron Blow at the Linda Goldfields.
68. Macquarie Harbour Leaf Beds.
69. Observations regarding Pyramid Numbers.
70. Additions to the list of Tasmanian Fossils of Upper Palæozoic Age.
71. Root Matters in Social and Economic Problems.

1890.

72. Root Matters in Social and Economic Problems, 2nd series.
Further Observations on the Fishes and Fishing Industries of Tasmania, together with a revised list of Indigenous Species.
73. Provisional Aid to the Study of Tasmanian Mollusca.
74. Observations on the influence of Strikes upon Real Wages.
75. General Increase of Wages falls upon Consumers of Products and in no way encroaches upon rent or profits of Capitalists.
76. Description of a Fern (*Blechnum cartilagineum*) new to the Tasmanian List.
78. Tabular List indicating the Local Habits and General Distributions of all the known Ferns, Club-mosses, and Pillworts of Tasmania.

1891.

79. Notes on a Collection of Plant Impressions from the Henty River.
80. Observations on the causes of Elevation and Subsidence of the Earth's Crust.

1892.

81. Notes on the Natural Limits to Occupation of the Land.
82. What are the Conditions which determine the Just and Equitable Representation of the People.

1893.

83. Taxation and the Cost of Living in Tasmania.
84. The Glacier Epoch of Australasia.
85. Notes on the Geology of Lake St. Clair and its immediate Neighbourhood, together with Observations regarding the Probable Origin of Our Numerous Tasmanian Lakes and Tarns.
86. Further Contributions to the Fossil Flora of Tasmania.

1895.

87. Notes on some Fossil Plants new to Tasmania.
88. The Primary Law of Value or Price.

1897.

89. The Health of Hobart.
90. Tertiary Leaf Beds.
91. Observations of the Working Results of the Hare System of Election in Tasmania.

1899.

92. Are all the Colossal Igneous Caps of Tasmanian Tiers and of the lofty Mountain Plateaux true sills?

1900.

93. Further notes on the Permo-Carboniferous Fossil Cliffs at Darlington, Maria Island.
94. Notes on Coal Discovery at Wynyard, Tasmania.

1903.

95. Notes on Reidle Bay Conglomerates, Maria Island.
96. Notes on Fossil Tree, Barnes Bay.
97. Conditions upon which the healthy growth of young colonies depend.
98. List of Flowering Plants collected at Kettering.

1904

99. The Ethical, Economical, and Practical Aspects of Old Age Pensions.

1905.

100. Observations regarding some Economic Aspects of the Eisenach Social Equality Programme.

1908.

101. State Borrowing and Sinking Funds.

1918.

102. Observations regarding Accumulated Capital and Wealth.
103. Notes on the discovery of a new Fossil Fruit from the Deep-lead Tin Drifts at Derby, Tasmania.

COLONEL W. V. LEGGE.

Colonel W. V. Legge was born at Cullenswood, Tasmania, seventy-eight years ago. He went to England as a child, and was educated both there and in France and Germany. He obtained his Commission in the Royal Artillery in 1862, and served for 5 years. In 1867 and 1868 he was in Melbourne with the Imperial troops. Upon their withdrawal, he went to Ceylon, and it was while he was there that he did all the collecting and much of the MSS. of his standard work on "The Birds of Ceylon." Leaving Ceylon in 1877 he returned to England, and served at Portsmouth. In 1883 he was offered, and accepted, the command of the Tasmanian Forces. Except for several short periods he held this command until 1902. During this time considerable re-organisation was effected. Colonel Legge was an active member of the Society for many years, his chief interest being ornithology. In addition he was generally interested in the fauna and flora of the island, and was an authority upon forestry. He was instrumental in having investigations carried out by members of this Society concerning the height of certain peaks on Ben Lomond. The result went to show that one of them, Legge Tor, is the highest point in Tasmania.

Papers contributed to the Royal Society of Tasmania by the late Colonel W. V. Legge.

1873.

1. On the Weaver Bird (*Ploceus baya*) in Ceylon.

1874.

2. Notes on some species of Tasmanian Birds.

1886.

3. Systematic List of the Tasmanian Birds.
4. On the Position of the Genus *Ephthianura*.

1887.

5. A First List of the Birds of Maria Island.
6. The Highlands of Lake St. Clair.
7. On the Breeding of Some Sea Birds on the Actæon Island and adjacent islets.

1888.

8. Occurrence of *Chibeia bracteata* Gould, in Tasmania.

1889.

9. Protection of Tasmanian Owls.
10. Protection of the Cape Barren Goose.
11. Notes on the Australian Curlew and its closely-allied Congeners.

1892.

12. Note on a Tasmanian *Acanthiza*,. On the occurrence of some Australian *Ardeidæ*.

1895.

13. Notes on Timber found beneath Alluvial Drift at Swansea, Tasmania.
14. Notes on the Fan-tailed Cuckoo in Tasmania (*Cuculus flabelliformis*).

1903.

15. Rainfall and Water Supply of the Great Lake (*cum* H. C. Kingsmill).
16. Notes on Stone Knives of Tasmanian Aborigines found at Cullenswood Estate.

1913.

17. Rectification of the Cartography of North-East Tasmania.

AUGUSTUS SIMSON.

“Mr. Augustus Simson was the oldest and best known of all the local naturalists in Northern Tasmania; he in truth maintained the title of ‘Naturalist’ in its fullest meaning, having little in common with the “Nature Students” of to-day. His methods were of the old school of steady plodders, who collected, arranged, and classified with scrupulous care and neatness, while his field was the whole

realm of nature! Insects—especially Coleoptera—found a large share of his collected treasures, but shells and plants filled many of his trays and cabinets. Deeply impressed with the utility of the Rev. W. W. Spicers key to the Tasmanian Flora, Mr. Simson early made himself master of this dichotomous system, and all his botanical taxonomy followed the lines laid down by that writer. As a scientific man, Mr. Simson was best known to the general public through his connection with the 'Northern Tasmanian Natural Science Association,' of which he was one of the founders and most enthusiastic supporters. As Secretary of the Society, he was particularly well placed, his wide knowledge of the Tasmanian Fauna and Flora supplying all the elements for a successful officer. Some few of the younger workers still recall collecting trips at which he attended, but of recent years the study, rather than the field, claimed the lion's share of his attention. Mr. Simson's collections have been sold to well-known scientific Institutions, including the Rothschild Museum at Tring. He was a member of the Linnean Society of New South Wales; Royal Society of South Australia; Société Entomologique of Brussels; and the Royal Society of Tasmania. He died at a ripe old age on 21st May, 1918."

H. H. SCOTT.

HON. HENRY DOBSON.

The Hon. Henry Dobson was elected a member of the Society in 1861. Owing to the keen interest which he displayed in his professional and political life, he was unable to devote much time to the details of the Society's activities. Among his many public works, perhaps, his ardent enthusiasm in advancing the claims of Tasmania as a tourist resort stands out paramount. He never tired in his endeavour to advertise the beauty spots of the Island, and to assist in making them accessible to the public. His work in the early days of the Tourist Association will ever be remembered. Mainly on account of his work in this direction he was elected as the Society's representative on the National Park Board, upon the foundation of that body. His worth was immediately recognised, for he was selected as the first chairman of the Board, and held the position until his death. His interest continued until the last, and although far from well he continued to take a deep interest in the development of the Park, and in his capacity as chairman of the Board he gave very detailed consideration to all proposals for the development and management of the area.